

メチルアミンのマウスを用いた  
吸入による2週間毒性試験報告書

試験番号：0682

# TABLES

## TABLES

TABLE A	CONCENTRATIONS OF METHYLAMINE IN THE INHALATION CHAMBER OF THE 2-WEEK INHALATION STUDY
TABLE B 1	SURVIVAL ANIMAL NUMBERS: MALE
TABLE B 2	SURVIVAL ANIMAL NUMBERS: FEMALE
TABLE C 1	CLINICAL OBSERVATION: MALE
TABLE C 2	CLINICAL OBSERVATION: FEMALE
TABLE D 1	BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE
TABLE D 2	BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE
TABLE D 3	BODY WEIGHT CHANGES: MALE
TABLE D 4	BODY WEIGHT CHANGES: FEMALE
TABLE E 1	FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS: MALE
TABLE E 2	FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS: FEMALE
TABLE E 3	FOOD CONSUMPTION CHANGES: MALE
TABLE E 4	FOOD CONSUMPTION CHANGES: FEMALE
TABLE F 1	HEMATOLOGY: MALE
TABLE F 2	HEMATOLOGY: FEMALE
TABLE G 1	BIOCHEMISTRY: MALE
TABLE G 2	BIOCHEMISTRY: FEMALE

## TABLES (CONTINUED)

TABLE H 1 GROSS FINDINGS: MALE: DEAD AND MORIBUND ANIMALS

TABLE H 2 GROSS FINDINGS: MALE: SACRIFICED ANIMALS

TABLE H 3 GROSS FINDINGS: FEMALE: DEAD AND MORIBUND ANIMALS

TABLE H 4 GROSS FINDINGS: FEMALE: SACRIFICED ANIMALS

TABLE I 1 ORGAN WEIGHT, ABSOLUTE: MALE

TABLE I 2 ORGAN WEIGHT, ABSOLUTE: FEMALE

TABLE J 1 ORGAN WEIGHT, RELATIVE: MALE

TABLE J 2 ORGAN WEIGHT, RELATIVE: FEMALE

TABLE K 1 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: MALE: ALL ANIMALS

TABLE K 2 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: MALE: DEAD AND MORIBUND ANIMALS

TABLE K 3 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: MALE: SACRIFICED ANIMALS

TABLE K 4 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: FEMALE: ALL ANIMALS

TABLE K 5 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: FEMALE: DEAD AND MORIBUND ANIMALS

TABLE K 6 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: FEMALE: SACRIFICED ANIMALS

TABLE A

CONCENTRATIONS OF METHYLAMINE  
IN THE INHALATION  
CHAMBER OF THE 2-WEEK INHALATION STUDY

CONCENTRATIONS OF METHYLAMINE IN THE INHALATION  
CHAMBER OF THE 2-WEEK INHALATION STUDY

Group Name	Concentration(ppm) Mean $\pm$ S.D.
Control	0.0 $\pm$ 0.0
28 ppm	28.2 $\pm$ 0.4
83 ppm	83.1 $\pm$ 1.1
250 ppm	251.2 $\pm$ 3.9
500 ppm	501.3 $\pm$ 5.0
750 ppm	746.6 $\pm$ 8.2

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1 2  
SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 1

Group Name	Animals At start	Administration (Days)													
		0-0	1-1	1-2	1-3	1-4	1-5	1-6	1-7	2-1	2-2	2-3	2-4	2-5	2-6
Control	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
28ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
83ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
250ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
500ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	3/ 5 60.0	3/ 5 60.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0
750ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	3/ 5 60.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0
Number of survival/ Number of effective animals Survival rate(%)															

BAIS4

STUDY NO. : 0682

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 2

SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 2

Group Name	Animals At start	Administration (Days)	
		2-7	3-1
Control	5	5/ 5 100.0	5/ 5 100.0
28ppm	5	5/ 5 100.0	5/ 5 100.0
83ppm	5	5/ 5 100.0	5/ 5 100.0
250ppm	5	5/ 5 100.0	5/ 5 100.0
500ppm	5	1/ 5 20.0	0/ 5 0.0
750ppm	5	1/ 5 20.0	1/ 5 20.0
Number of survival/ Number of effective animals Survival rate(%)			

BAIS4



TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0682

ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]

REPORT TYPE : A1 2

SEX : FEMALE

## SURVIVAL ANIMAL NUMBERS

PAGE : 3

Group Name	Animals At start	Administration (Days)													
		0-0	1-1	1-2	1-3	1-4	1-5	1-6	1-7	2-1	2-2	2-3	2-4	2-5	2-6
Control	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
28ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
83ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
250ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	3/ 5 60.0	3/ 5 60.0	3/ 5 60.0	3/ 5 60.0	3/ 5 60.0	3/ 5 60.0
500ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	4/ 5 80.0	4/ 5 80.0	3/ 5 60.0	2/ 5 40.0	2/ 5 40.0	2/ 5 40.0	2/ 5 40.0	2/ 5 40.0
750ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	4/ 5 80.0	4/ 5 80.0	2/ 5 40.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0	1/ 5 20.0
Number of survival/ Number of effective animals Survival rate(%)															

BAIS4

STUDY NO. : 0682

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 2

SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

PAGE : 4

Group Name	Animals At start	Administration (Days)	
		2-7	3-1
Control	5	5/ 5 100.0	5/ 5 100.0
28ppm	5	5/ 5 100.0	5/ 5 100.0
83ppm	5	5/ 5 100.0	5/ 5 100.0
250ppm	5	3/ 5 60.0	3/ 5 60.0
500ppm	5	2/ 5 40.0	2/ 5 40.0
750ppm	5	0/ 5 0.0	0/ 5 0.0
Number of survival/ Number of effective animals Survival rate(%)			

BAIS4

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

PAGE : 1

Clinical sign	Group Name	Administration Week-day														
		1-1	1-2	1-4	1-5	1-6	1-7	1-7	2-1	2-1	2-2	2-2	2-3	2-7	2-7	3-1
		2	1	1	2	2	1	2	1	2	1	2	1	1	2	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	28ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	83ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500ppm	0	0	0	0	2	2	2	4	4	4	4	4	4	4	5
	750ppm	0	0	0	0	2	2	4	4	4	4	4	4	4	4	4
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	500ppm	0	0	0	0	500ppm	1	1	-	0	-	0	0	0	-	-
	750ppm	5	0	0	0	1	1	0	-	0	-	0	0	0	-	-
PREENING	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	0	0	0	0	0	-	0	-	2	0	0	-	-
	500ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	750ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
SOILED	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	500ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	750ppm	0	0	0	0	0	0	0	-	0	-	1	0	0	-	-
PILOERECTION	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	500ppm	5	0	0	0	0	1	1	-	0	-	0	0	1	-	-
	750ppm	5	0	0	0	0	1	0	-	0	-	0	0	1	-	-
FROG BELLY	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	5	5	4	0	0	-	0	-	0	5	1	-	-
	500ppm	4	3	4	4	3	2	2	-	0	-	1	1	1	-	-
	750ppm	5	4	5	5	3	2	0	-	0	-	1	0	0	-	-

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : MALE

PAGE : 2

Clinical sign	Group Name	Administration Week-day														
		1-1 2	1-2 1	1-4 1	1-5 2	1-6 2	1-7 1	1-7 2	2-1 1	2-1 2	2-2 1	2-2 2	2-3 1	2-7 1	2-7 2	3-1 1
NOSE SEROUS DISCHARGE	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	0	0	0	0	0	-	0	-	1	0	0	-	-
	500ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	750ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
HEMORRHAGE	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	4	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	500ppm	5	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	750ppm	5	0	0	0	0	0	0	-	0	-	0	0	0	-	-
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	2	4	4	5	5	-	4	-	5	5	0	-	-
	500ppm	0	1	2	5	3	3	2	-	1	-	1	1	1	-	-
	750ppm	1	0	1	5	3	3	1	-	1	-	1	1	1	-	-
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	4	3	5	5	5	5	5	-	4	-	5	4	5	-	-
	500ppm	5	5	4	5	3	3	3	-	1	-	1	1	1	-	-
	750ppm	5	2	5	5	3	3	1	-	1	-	1	1	1	-	-
BRADYPNEA	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	500ppm	0	0	0	0	0	0	1	-	0	-	0	0	0	-	-
	750ppm	0	0	0	0	0	1	0	-	0	-	0	0	0	-	-
DEEP BREATHING	Control	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	28ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	83ppm	0	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	250ppm	4	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	500ppm	5	0	0	0	0	0	0	-	0	-	0	0	0	-	-
	750ppm	4	1	0	0	0	0	0	-	0	-	0	0	0	-	-

TABLE C2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

PAGE : 3

Clinical sign	Group Name	Administration Week-day														
		1-1	1-2	1-4	1-5	1-6	1-6	1-7	1-7	2-1	2-1	2-2	2-2	2-3	2-7	2-7
		2	1	1	2	1	2	1	2	1	2	1	2	1	1	2
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	28ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	83ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2
	500ppm	0	0	0	0	0	1	1	1	2	2	3	3	3	3	3
	750ppm	0	0	0	0	1	1	1	1	2	3	4	4	4	4	5
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	1	1	-	0	-	0	0	0	-
	500ppm	0	0	0	0	-	0	0	0	-	2	-	0	0	0	-
	750ppm	5	0	0	0	-	0	1	1	-	0	-	0	0	1	-
WASTING	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	500ppm	0	0	0	0	-	0	0	0	-	0	-	1	0	0	-
	750ppm	0	0	0	0	-	0	0	0	-	0	-	1	0	0	-
SOILED	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	500ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	750ppm	0	0	0	0	-	0	0	0	-	0	-	1	0	0	-
PILOERECTION	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	1	1	-	0	-	0	0	0	-
	500ppm	5	0	0	0	-	0	0	0	-	2	-	1	0	0	-
	750ppm	5	0	0	0	-	0	1	2	-	0	-	0	0	1	-
FROG BELLY	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	1	3	-	4	1	1	-	0	-	0	2	1	-
	500ppm	5	5	5	5	-	4	1	1	-	1	-	1	1	0	-
	750ppm	5	5	4	4	-	4	1	1	-	1	-	0	0	1	-



STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

PAGE : 4

Clinical sign	Group Name	Administration Week-day														
		1-1	1-2	1-4	1-5	1-6	1-6	1-7	1-7	2-1	2-1	2-2	2-2	2-3	2-7	2-7
		2	1	1	2	1	2	1	2	1	2	1	2	1	2	1
LACRIMATION	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	500ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	750ppm	0	0	0	0	-	0	0	1	-	0	-	1	0	0	-
GUM	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	500ppm	0	0	0	0	-	1	0	1	-	0	-	0	0	0	-
	750ppm	0	0	0	1	-	0	0	0	-	0	-	0	0	0	-
CORNEAL OPACITY	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	500ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	750ppm	0	0	0	0	-	0	0	1	-	1	-	0	0	0	-
HEMORRHAGE	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	500ppm	5	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	750ppm	4	0	0	0	-	0	0	0	-	0	-	0	0	0	-
IRREGULAR BREATHING	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	3	-	5	5	5	-	3	-	3	0	0	-
	500ppm	0	0	1	5	-	4	4	4	-	3	-	2	2	2	-
	750ppm	0	1	2	3	-	3	4	4	-	2	-	1	1	1	-
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	1	2	3	5	-	5	5	5	-	3	-	3	1	3	-
	500ppm	5	4	3	5	-	4	4	4	-	3	-	2	2	2	-
	750ppm	4	2	5	5	-	4	4	4	-	2	-	1	1	1	-

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

PAGE : 5

Clinical sign	Group Name	Administration Week-day														
		1-1	1-2	1-4	1-5	1-6	1-6	1-7	1-7	2-1	2-1	2-2	2-2	2-3	2-7	2-7
		2	1	1	2	1	2	1	2	1	2	1	2	1	1	2
BRADYPNEA	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	0	0	0	0	-	1	1	1	-	0	-	0	0	0	-
	500ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	750ppm	0	0	0	1	-	0	1	1	-	0	-	0	0	1	-
DEEP BREATHING	Control	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	28ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	83ppm	0	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	250ppm	1	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	500ppm	5	0	0	0	-	0	0	0	-	0	-	0	0	0	-
	750ppm	5	0	0	0	-	0	0	0	-	0	-	0	0	0	-

(HAN190)

BAIS 4

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL  
NUMBERS : MALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 2  
 SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 1

Week-Day on Study	Control		28ppm		83ppm		250ppm		500ppm		750ppm						
	Av. Wt.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.			
	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>			
0-0	23.6 ( 5)	5/ 5	23.6 ( 5)	100	5/ 5	23.6 ( 5)	100	5/ 5	23.5 ( 5)	100	5/ 5	23.5 ( 5)	100	5/ 5	23.5 ( 5)	100	5/ 5
1-2	23.2 ( 5)	5/ 5	23.2 ( 5)	100	5/ 5	23.2 ( 5)	100	5/ 5	21.4 ( 5)	92	5/ 5	19.3 ( 5)	83	5/ 5	19.7 ( 5)	85	5/ 5
1-4	23.2 ( 5)	5/ 5	22.9 ( 5)	99	5/ 5	22.6 ( 5)	97	5/ 5	17.7 ( 5)	76	5/ 5	17.4 ( 5)	75	5/ 5	17.5 ( 5)	75	5/ 5
1-7	23.4 ( 5)	5/ 5	23.4 ( 5)	100	5/ 5	23.2 ( 5)	99	5/ 5	15.7 ( 5)	67	5/ 5	15.7 ( 3)	67	3/ 5	16.4 ( 1)	70	1/ 5
2-3	23.4 ( 5)	5/ 5	23.6 ( 5)	101	5/ 5	23.1 ( 5)	99	5/ 5	16.8 ( 5)	72	5/ 5	17.0 ( 1)	73	1/ 5	17.1 ( 1)	73	1/ 5
2-7	24.3 ( 5)	5/ 5	24.4 ( 5)	100	5/ 5	23.6 ( 5)	97	5/ 5	17.2 ( 5)	71	5/ 5	14.3 ( 1)	59	1/ 5	15.1 ( 1)	62	1/ 5
< >:No. of effective animals, ( ):No. of measured animals																	
Av. Wt. : g																	

(BI0040)

BAIS 4

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL  
NUMBERS : FEMALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 2  
 SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		28ppm			83ppm			250ppm			500ppm			750ppm		
	Av. Wt.	No. of Surviv. < 5>	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.
0-0	20.9 ( 5)	5/ 5	20.8 ( 5)	100	5/ 5	20.8 ( 5)	100	5/ 5	20.8 ( 5)	100	5/ 5	20.9 ( 5)	100	5/ 5	20.8 ( 5)	100	5/ 5
1-2	20.3 ( 5)	5/ 5	19.8 ( 5)	98	5/ 5	19.9 ( 5)	98	5/ 5	18.1 ( 5)	89	5/ 5	17.0 ( 5)	84	5/ 5	17.0 ( 5)	84	5/ 5
1-4	20.3 ( 5)	5/ 5	19.8 ( 5)	98	5/ 5	19.4 ( 5)	96	5/ 5	15.5 ( 5)	76	5/ 5	15.3 ( 5)	75	5/ 5	14.3 ( 5)	70	5/ 5
1-7	20.5 ( 5)	5/ 5	20.0 ( 5)	98	5/ 5	19.5 ( 5)	95	5/ 5	13.5 ( 5)	66	5/ 5	13.3 ( 4)	65	4/ 5	12.9 ( 4)	63	4/ 5
2-3	20.6 ( 5)	5/ 5	20.4 ( 5)	99	5/ 5	19.7 ( 5)	96	5/ 5	15.0 ( 3)	73	3/ 5	13.6 ( 2)	66	2/ 5	13.0 ( 1)	63	1/ 5
2-7	21.1 ( 5)	5/ 5	21.3 ( 5)	101	5/ 5	19.8 ( 5)	94	5/ 5	15.2 ( 3)	72	3/ 5	13.7 ( 2)	65	2/ 5	- ( -)	-	0/ 5
< >:No.of effective animals, ( ):No.of measured animals																	
Av. Wt. : g																	

(BI0040)

BAIS 4

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 2  
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 1

Group Name	Administration week-day					
	0-0	1-2	1-4	1-7	2-3	2-7
Control	23.6± 1.0	23.2± 1.6	23.2± 1.5	23.4± 1.6	23.4± 1.4	24.3± 1.1
28ppm	23.6± 1.0	23.2± 0.8	22.9± 0.8	23.4± 1.0	23.6± 1.0	24.4± 0.8
83ppm	23.6± 1.0	23.2± 0.8	22.6± 0.8	23.2± 0.7	23.1± 0.9	23.6± 0.8
250ppm	23.5± 1.2	21.4± 0.8	17.7± 0.9**	15.7± 0.6**	16.8± 1.7**	17.2± 1.3**
500ppm	23.5± 1.2	19.3± 0.9**	17.4± 0.3**	15.7± 1.4**	17.0 ?	14.3 ?
750ppm	23.5± 1.1	19.7± 1.2**	17.5± 1.0**	16.4 ?	17.1 ?	15.1 ?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.



TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 2  
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 2

Group Name	Administration 0-0	week-day 1-2	1-4	1-7	2-3	2-7
Control	20.9± 0.8	20.3± 0.3	20.3± 0.7	20.5± 0.7	20.6± 0.5	21.1± 0.6
28ppm	20.8± 0.8	19.8± 0.6	19.8± 0.7	20.0± 0.8	20.4± 0.7	21.3± 0.8
83ppm	20.8± 0.8	19.9± 0.6	19.4± 0.5	19.5± 0.6	19.7± 0.4*	19.8± 0.5*
250ppm	20.8± 0.9	18.1± 0.4**	15.5± 1.1**	13.5± 0.5**	15.0± 0.4**	15.2± 0.5**
500ppm	20.9± 0.8	17.0± 1.0**	15.3± 1.2**	13.3± 0.3**	13.6± 0.6 ?	13.7± 0.6 ?
750ppm	20.8± 0.8	17.0± 1.0**	14.3± 1.4**	12.9± 0.4**	13.0 ?	-

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL  
NUMBERS : MALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 2  
 SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 1

Week-Day on Study	Control		28ppm			83ppm			250ppm			500ppm			750ppm		
	Av. FC.	No. of Surviv. < 5>	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.
1-7	4.0 ( 5)	5/ 5	4.0 ( 5)	100	5/ 5	3.9 ( 5)	98	5/ 5	1.9 ( 5)	48	5/ 5	1.8 ( 3)	45	3/ 5	2.3 ( 1)	58	1/ 5
2-7	4.2 ( 5)	5/ 5	4.3 ( 5)	102	5/ 5	4.1 ( 5)	98	5/ 5	3.6 ( 5)	86	5/ 5	4.3 ( 1)	102	1/ 5	3.2 ( 1)	76	1/ 5
< >:No. of effective animals, ( ):No. of measured animals <span style="float: right;">Av. FC. : g</span>																	

(BI0040)

BAIS 4

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL  
NUMBERS : FEMALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 2  
 SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		28ppm		83ppm		250ppm		500ppm		750ppm						
	Av.FC.	No. of Surviv. < 5>	Av.FC.	% of cont. < 5>	No. of Surviv.	Av.FC.	% of cont. < 5>	No. of Surviv.	Av.FC.	% of cont. < 5>	No. of Surviv.	Av.FC.	% of cont. < 5>	No. of Surviv.			
1-7	3.5 ( 5)	5/ 5	3.6 ( 5)	103	5/ 5	3.1 ( 5)	89	5/ 5	1.5 ( 5)	43	5/ 5	1.5 ( 4)	43	4/ 5	1.1 ( 4)	31	4/ 5
2-7	3.8 ( 5)	5/ 5	4.0 ( 5)	105	5/ 5	3.5 ( 5)	92	5/ 5	3.6 ( 3)	95	3/ 5	3.2 ( 2)	84	2/ 5	- ( -)	-	0/ 5
< >:No. of effective animals, ( ):No. of measured animals																	
Av. FC. : g																	

(BI0040)

BAIS 4

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
UNIT : g  
REPORT TYPE : A1 2  
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 1

Group Name	Administration week-day(effective)	
	1-7(6)	2-7(7)
Control	4.0± 0.4	4.2± 0.3
28ppm	4.0± 0.3	4.3± 0.1
83ppm	3.9± 0.3	4.1± 0.3
250ppm	1.9± 0.4**	3.6± 0.1**
500ppm	1.8± 0.1**	4.3 ?
750ppm	2.3 ?	3.2 ?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.



TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
UNIT : g  
REPORT TYPE : A1 2  
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 2

Group Name	Administration week-day(effective)	
	1-7(6)	2-7(7)
Control	3.5± 0.4	3.8± 0.4
28ppm	3.6± 0.4	4.0± 0.3
83ppm	3.1± 0.3	3.5± 0.2
250ppm	1.5± 0.4**	3.6± 0.1
500ppm	1.5± 0.5**	3.2± 0.1 ?
750ppm	1.1± 0.4**	-

Significant difference : \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	RED BLOOD CELL 10 <sup>5</sup> /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 <sup>3</sup> /μl	
Control	5	11.34±	0.10	17.4±	0.2	51.0±	0.3	45.0±	0.5	15.4±	0.1	34.2±	0.4	1197±	84
28ppm	5	11.61±	0.32	17.9±	0.5	52.7±	1.7*	45.5±	1.5	15.4±	0.2	34.0±	1.4	1183±	62
83ppm	5	11.69±	0.18	18.2±	0.2*	52.9±	1.3*	45.3±	1.1	15.5±	0.1	34.3±	0.6	1136±	44
250ppm	5	11.39±	0.41	17.4±	0.7	49.7±	2.6	43.6±	1.2	15.2±	0.1	34.9±	0.9	1221±	161
500ppm	0	-		-		-		-		-		-		-	
750ppm	1	12.02	?	18.6	?	54.4	?	45.2	?	15.4	?	34.2	?	832	?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0682

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY)

ALL ANIMALS ( 3W)

PAGE : 2

Group Name	NO. of Animals	RETICULOCYTE %	
Control	5	2.1±	0.3
28ppm	5	2.1±	0.3
83ppm	5	2.0±	0.2
250ppm	5	3.6±	1.0**
500ppm	0	-	
750ppm	1	0.5	?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

(HCL070)

BAIS 4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : MALE

HEMATOLOGY (SUMMARY)  
ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	WBC 10 <sup>3</sup> /μl	Differential WBC (%)
Control	5	2.12± 1.32	
28ppm	5	2.61± 1.65	
83ppm	5	2.38± 1.38	
250ppm	5	0.89± 0.66	
500ppm	0	-	
750ppm	1	1.74	?

Significant difference ; \* :  $P \leq 0.05$

\*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

(HCL070)

BATS 4

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : FEMALE

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	RED BLOOD CELL 10 <sup>6</sup> /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 <sup>9</sup> /μl	
Control	5	11.51±	0.21	17.6±	0.3	51.1±	1.0	44.5±	1.1	15.3±	0.1	34.5±	0.7	1060±	40
28ppm	5	11.56±	0.25	17.7±	0.2	51.4±	1.2	44.5±	0.7	15.3±	0.2	34.5±	0.5	1062±	58
83ppm	5	11.59±	0.22	17.8±	0.5	51.3±	1.3	44.3±	0.6	15.3±	0.2	34.6±	0.3	1044±	26
250ppm	3	11.09±	0.30	16.9±	0.6*	47.3±	1.6**	42.6±	0.5*	15.2±	0.2	35.7±	0.2*	1440±	124**
500ppm	2	10.82±	0.31 ?	16.3±	0.7 ?	46.1±	2.4 ?	42.6±	1.0 ?	15.0±	0.1 ?	35.2±	0.4 ?	1258±	371 ?
750ppm	0	-		-		-		-		-		-		-	

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.



STUDY NO. : 0682

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : FEMALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY)

ALL ANIMALS ( 3W)

PAGE : 5

Group Name	NO. of Animals	RETICULOCYTE %	
Control	5	2.0±	0.5
28ppm	5	1.9±	0.3
83ppm	5	1.8±	0.3
250ppm	3	2.9±	0.4*
500ppm	2	2.8±	0.1 ?
750ppm	0	-	

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

(HCL070)

BAIS 4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : FEMALE

HEMATOLOGY (SUMMARY)  
ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 6

Group Name	NO. of Animals	WBC 10 <sup>3</sup> /μl	Differential WBC (%)
Control	5	2.60± 1.21	
28ppm	5	2.74± 1.46	
83ppm	5	1.21± 0.76	
250ppm	3	0.67± 0.52	
500ppm	2	0.88± 0.25 ?	
750ppm	0	-	

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0682

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

## BIOCHEMISTRY (SUMMARY)

ALL ANIMALS ( 3W)

PAGE : 1

Group Name	NO. of Animals	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
Control	5	5.2±	0.0	2.9±	0.1	1.3±	0.0	0.12±	0.00	248±	26	76±	10	23±	11
28ppm	5	5.2±	0.3	3.0±	0.2	1.3±	0.1	0.13±	0.03	245±	13	81±	13	28±	16
83ppm	5	5.1±	0.2	2.9±	0.1	1.3±	0.1	0.13±	0.01	224±	26	78±	9	18±	9
250ppm	5	5.0±	0.4	3.0±	0.2	1.5±	0.1**	0.14±	0.02	175±	42**	87±	15	10±	3
500ppm	0	-		-		-		-		-		-		-	
750ppm	1	4.0	?	2.4	?	1.5	?	0.19	?	51	?	66	?	5	?

Significant difference ; \* :  $P \leq 0.05$ \*\* :  $P \leq 0.01$ 

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl		AST IU/l		ALT IU/l		LDH IU/l		ALP IU/l		G-GTP IU/l		CK IU/l	
Control	5	156±	24	44±	4	15±	1	256±	56	295±	29	0±	0	73±	11
28ppm	5	163±	25	45±	3	15±	2	324±	163	287±	25	0±	0	91±	34
83ppm	5	151±	17	44±	4	17±	2	227±	59	274±	31	1±	0	85±	38
250ppm	5	107±	32*	94±	17**	46±	11**	335±	78	261±	37	1±	0	137±	37*
500ppm	0	-		-		-		-		-		-		-	
750ppm	1	67	?	180	?	92	?	645	?	263	?	1	?	410	?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	UREA NITROGEN mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
Control	5	29.9±	4.7	152±	1	4.3±	0.2	119±	2	8.5±	0.2	6.5±	1.5
28ppm	5	27.6±	3.5	152±	1	4.3±	0.3	120±	1	8.6±	0.2	6.8±	1.5
83ppm	5	27.8±	3.1	152±	1	4.5±	0.3	120±	1	8.7±	0.1	6.5±	1.5
250ppm	5	31.6±	5.1	152±	3	4.4±	0.4	116±	2*	8.8±	0.4	7.6±	1.1
500ppm	0	-		-		-		-		-		-	
750ppm	1	57.8	?	148	?	4.9	?	118	?	8.6	?	6.8	?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	TOTAL PROTEIN g / dl		ALBUMIN g / dl		A/G RATIO		T-BILIRUBIN mg / dl		GLUCOSE mg / dl		T-CHOLESTEROL mg / dl		TRIGLYCERIDE mg / dl	
Control	5	5.6±	0.1	3.4±	0.1	1.6±	0.1	0.12±	0.01	217±	28	73±	7	24±	13
28ppm	5	5.5±	0.0	3.4±	0.1	1.7±	0.2	0.11±	0.01	226±	14	79±	16	24±	12
83ppm	5	5.4±	0.2	3.3±	0.1	1.6±	0.1	0.14±	0.04	179±	28	66±	4	15±	5
250ppm	3	5.2±	0.1**	3.3±	0.1	1.7±	0.1	0.13±	0.01	191±	17	81±	14	15±	12
500ppm	2	4.6±	0.1 ?	2.9±	0.0 ?	1.7±	0.1 ?	0.14±	0.01 ?	128±	105 ?	72±	7 ?	6±	0 ?
750ppm	0	-		-		-		-		-		-		-	

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.



STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS ( 3W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl		AST I U / l		ALT I U / l		LDH I U / l		ALP I U / l		G-GTP I U / l		CK I U / l	
Control	5	146±	18	56±	5	19±	2	301±	63	451±	16	0±	1	131±	38
28ppm	5	154±	26	51±	2	18±	1	248±	31	426±	37	0±	0	90±	13
83ppm	5	119±	21	82±	31	26±	9	447±	181	477±	78	0±	0	225±	179
250ppm	3	120±	34	91±	6*	45±	3*	350±	121	325±	11*	1±	1	120±	66
500ppm	2	71±	20 ?	166±	140 ?	61±	39 ?	474±	70 ?	243±	21 ?	0±	0 ?	285±	190 ?
750ppm	0	-		-		-		-		-		-		-	

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0682

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : FEMALE

REPORT TYPE : A1

## BIOCHEMISTRY (SUMMARY)

ALL ANIMALS ( 3W)

PAGE : 6

Group Name	NO. of Animals	UREA NITROGEN mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
Control	5	26.2±	2.2	151±	1	4.0±	0.3	119±	1	8.7±	0.3	5.8±	0.7
28ppm	5	27.1±	2.5	151±	1	4.1±	0.2	118±	2	8.7±	0.1	6.3±	1.3
83ppm	5	28.1±	5.0	152±	1	4.2±	0.4	120±	1	8.5±	0.3	6.0±	0.9
250ppm	3	26.7±	2.0	152±	2	3.9±	0.3	115±	5	8.7±	0.3	7.0±	0.9
500ppm	2	44.0±	6.4 ?	150±	2 ?	4.3±	0.6 ?	117±	1 ?	9.0±	0.1 ?	7.2±	1.4 ?
750ppm	0	-		-		-		-		-		-	

Significant difference ; \* :  $P \leq 0.05$ \*\* :  $P \leq 0.01$ 

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

(HCL074)

BAIS 4

TABLE H1

GROSS FINDINGS : MALE  
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

GROSS FINDINGS (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control	28ppm	83ppm	250ppm
			0 (%)	0 (%)	0 (%)	0 (%)
thymus	atrophic		- ( -)	- ( -)	- ( -)	- ( -)
stomach	gas		- ( -)	- ( -)	- ( -)	- ( -)
small intes	gas		- ( -)	- ( -)	- ( -)	- ( -)
large intes	gas		- ( -)	- ( -)	- ( -)	- ( -)

(HPT080)

BAIS 4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

GROSS FINDINGS (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 2

Organ	Findings	Group Name NO. of Animals	500ppm	750ppm
			5 (%)	4 (%)
thymus	atrophic		4 ( 80)	4 (100)
stomach	gas		5 (100)	4 (100)
small intes	gas		5 (100)	4 (100)
large intes	gas		5 (100)	3 ( 75)

(HPT080)

BAIS 4

TABLE H2

GROSS FINDINGS : MALE  
SACRIFICED ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

GROSS FINDINGS (SUMMARY)  
SACRIFICED ANIMALS ( 3W)

PAGE : 1

Organ	Findings	Group Name	Control		28ppm		83ppm		250ppm	
		NO. of Animals	5	(%)	5	(%)	5	(%)	5	(%)
thymus	atrophic		0	( 0)	0	( 0)	0	( 0)	5	(100)

(HPT080)

BAIS 4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

GROSS FINDINGS (SUMMARY)  
SACRIFICED ANIMALS ( 3W)

PAGE : 2

Organ	Findings	Group Name NO. of Animals	500ppm 0 (%)	750ppm 1 (%)
thymus	atrophic		- ( -)	1 (100)

(HPT080)

BAIS 4



TABLE H3

GROSS FINDINGS : FEMALE  
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

GROSS FINDINGS (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control		28ppm		83ppm		250ppm	
			0	(%)	0	(%)	0	(%)	2	(%)
thymus	atrophic		-	( -)	-	( -)	-	( -)	2	(100)
stomach	gas		-	( -)	-	( -)	-	( -)	2	(100)
small intes	gas		-	( -)	-	( -)	-	( -)	2	(100)
large intes	gas		-	( -)	-	( -)	-	( -)	2	(100)

(HPT080)

BAIS 4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

GROSS FINDINGS (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 4

Organ	Findings	Group Name NO. of Animals	500ppm		750ppm	
			3	(%)	5	(%)
thymus	atrophic		3	(100)	4	( 80)
stomach	gas		3	(100)	5	(100)
small intes	gas		3	(100)	5	(100)
large intes	gas		3	(100)	3	( 60)

(HPT080)

BAIS 4

TABLE H4

GROSS FINDINGS : FEMALE  
SACRIFICED ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

GROSS FINDINGS (SUMMARY)  
SACRIFICED ANIMALS ( 3W)

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control	28ppm	83ppm	250ppm
			5 (%)	5 (%)	5 (%)	3 (%)
thymus	atrophic		0 ( 0)	0 ( 0)	0 ( 0)	2 ( 67)
small intes	gas		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 33)

(HPT080)

BAIS 4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

GROSS FINDINGS (SUMMARY)  
SACRIFICED ANIMALS ( 3W)

PAGE : 4

Organ	Findings	Group Name		500ppm		750ppm	
		NO. of Animals		2	(%)	0	(%)
thymus	atrophic			2	(100)	-	( - )
small intes	gas			0	( 0)	-	( - )

(HPT080)

BAIS 4

TABLE I1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE  
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)  
SURVIVAL ANIMALS ( 3W)

PAGE : 1

Group Name	NO. of Animals	Body Weight	THYMUS		ADRENALS		TESTES		HEART		LUNGS	
Control	5	20.4± 1.4	0.037±	0.002	0.012±	0.001	0.191±	0.011	0.117±	0.006	0.125±	0.010
28ppm	5	20.6± 0.8	0.036±	0.004	0.014±	0.001*	0.178±	0.022	0.123±	0.009	0.129±	0.003
83ppm	5	19.9± 0.8	0.032±	0.004	0.013±	0.001	0.171±	0.040	0.123±	0.007	0.124±	0.006
250ppm	5	14.9± 0.8**	0.009±	0.001**	0.011±	0.001	0.171±	0.007	0.094±	0.005**	0.116±	0.009
500ppm	0	-	-	-	-	-	-	-	-	-	-	-
750ppm	1	13.5 ?	0.005	?	0.010	?	0.173	?	0.089	?	0.109	?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.



STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE  
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)  
SURVIVAL ANIMALS ( 3W)

PAGE : 2

Group Name	NO. of Animals	KIDNEYS		SPLEEN		LIVER		BRAIN	
Control	5	0.337±	0.009	0.038±	0.003	0.854±	0.023	0.433±	0.011
28ppm	5	0.343±	0.020	0.040±	0.005	0.875±	0.028	0.441±	0.008
83ppm	5	0.338±	0.033	0.039±	0.004	0.822±	0.043	0.429±	0.017
250ppm	5	0.276±	0.016**	0.021±	0.004**	0.641±	0.075**	0.412±	0.015
500ppm	0	-		-		-		-	
750ppm	1	0.244	?	0.014	?	0.481	?	0.400	?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE I2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE  
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)  
SURVIVAL ANIMALS ( 3W)

PAGE : 3

Group Name	NO. of Animals	Body Weight	THYMUS		ADRENALS		OVARIES		HEART		LUNGS	
Control	5	17.2± 0.5	0.055±	0.009	0.015±	0.001	0.025±	0.003	0.106±	0.007	0.117±	0.008
28ppm	5	17.0± 0.7	0.052±	0.011	0.015±	0.001	0.026±	0.004	0.101±	0.003	0.122±	0.008
83ppm	5	15.9± 0.3**	0.038±	0.005*	0.013±	0.001	0.020±	0.003	0.098±	0.006	0.113±	0.004
250ppm	3	12.8± 0.4**	0.014±	0.010**	0.014±	0.002	0.016±	0.004**	0.087±	0.005**	0.111±	0.004
500ppm	2	11.8± 0.7 ?	0.010±	0.001 ?	0.013±	0.002 ?	0.013±	0.000 ?	0.080±	0.003 ?	0.110±	0.002 ?
750ppm	0	-	-	-	-	-	-	-	-	-	-	-

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE  
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)  
SURVIVAL ANIMALS ( 3W)

PAGE : 4

Group Name	NO. of Animals	KIDNEYS		SPLEEN		LIVER		BRAIN	
Control	5	0.255±	0.012	0.044±	0.004	0.732±	0.042	0.447±	0.015
28ppm	5	0.252±	0.012	0.043±	0.004	0.747±	0.042	0.440±	0.011
83ppm	5	0.247±	0.004	0.037±	0.002**	0.640±	0.051*	0.436±	0.011
250ppm	3	0.233±	0.007*	0.019±	0.003**	0.541±	0.041**	0.409±	0.008**
500ppm	2	0.226±	0.008 ?	0.019±	0.002 ?	0.480±	0.078 ?	0.401±	0.011 ?
750ppm	0	-		-		-		-	

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied,because No. of data in this group is less than 3.

TABLE J1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE  
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)  
SURVIVAL ANIMALS ( 3W)

PAGE : 1

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	20.4± 1.4	0.181± 0.020	0.059± 0.006	0.943± 0.098	0.577± 0.036	0.613± 0.026
28ppm	5	20.6± 0.8	0.177± 0.017	0.066± 0.005	0.866± 0.124	0.597± 0.053	0.626± 0.031
83ppm	5	19.9± 0.8	0.161± 0.016	0.067± 0.004	0.859± 0.192	0.619± 0.028	0.624± 0.020
250ppm	5	14.9± 0.8**	0.060± 0.005**	0.076± 0.007**	1.147± 0.070	0.628± 0.017	0.775± 0.047**
500ppm	0	-	-	-	-	-	-
750ppm	1	13.5 ?	0.037 ?	0.074 ?	1.281 ?	0.659 ?	0.807 ?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied,because No. of data in this group is less than 3.

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE  
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)  
 SURVIVAL ANIMALS ( 3W)

PAGE : 2

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.656± 0.084	0.189± 0.010	4.199± 0.184	2.134± 0.159
28ppm	5	1.674± 0.163	0.194± 0.023	4.263± 0.265	2.148± 0.088
83ppm	5	1.704± 0.148	0.194± 0.015	4.141± 0.137	2.159± 0.021
250ppm	5	1.850± 0.070	0.139± 0.019**	4.284± 0.423	2.759± 0.091**
500ppm	0	-	-	-	-
750ppm	1	1.807 ?	0.104 ?	3.563 ?	2.963 ?

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE J2

ORGAN WEIGHT, RELATIVE : FEMALE



STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE  
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)  
 SURVIVAL ANIMALS ( 3W)

PAGE : 3

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	17.2± 0.5	0.317± 0.049	0.085± 0.004	0.147± 0.013	0.612± 0.031	0.677± 0.054
28ppm	5	17.0± 0.7	0.308± 0.065	0.089± 0.006	0.154± 0.021	0.595± 0.023	0.716± 0.043
83ppm	5	15.9± 0.3**	0.239± 0.027	0.082± 0.006	0.128± 0.019	0.619± 0.025	0.715± 0.018
250ppm	3	12.8± 0.4**	0.109± 0.071**	0.112± 0.009**	0.125± 0.025	0.682± 0.047*	0.870± 0.019**
500ppm	2	11.8± 0.7 ?	0.081± 0.011 ?	0.106± 0.012 ?	0.111± 0.006 ?	0.679± 0.016 ?	0.929± 0.038 ?
750ppm	0	-	-	-	-	-	-

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE  
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)  
 SURVIVAL ANIMALS ( 3W)

PAGE : 4

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.478± 0.080	0.257± 0.020	4.245± 0.207	2.594± 0.091
28ppm	5	1.481± 0.042	0.252± 0.020	4.385± 0.129	2.591± 0.125
83ppm	5	1.558± 0.014*	0.235± 0.009	4.034± 0.263	2.749± 0.087
250ppm	3	1.825± 0.108**	0.146± 0.020**	4.234± 0.277	3.209± 0.150**
500ppm	2	1.917± 0.043 ?	0.158± 0.028 ?	4.051± 0.423 ?	3.398± 0.114 ?
750ppm	0	-	-	-	-

Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE K1

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : MALE  
ALL ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
ALL ANIMALS (0- 3W)

PAGE : 1

Organ	Findings	Group Name	Control				28ppm				83ppm				250ppm			
		No. of Animals on Study	5				5				5				5			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit		< 5>					< 5>				< 5>				< 5>			
	inflammation:respiratory epithelium	0	0	0	0	2	0	0	0	5	0	0	0	1	4	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )	( 0 )	( 20 )	( 80 )	( 0 )	( 0 )	
	squamous cell metaplasia:respiratory epithelium	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	
	ulcer:respiratory epithelium	0	0	0	0	1	0	0	0	4	0	0	0	0	0	5	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	
	atrophy:olfactory epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
	necrosis:respiratory epithelium	0	0	0	0	1	0	0	0	4	0	0	0	2	3	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 40 )	( 60 )	( 0 )	( 0 )	
	nasopharynx	< 5>					< 5>				< 5>				< 5>			
	degeneration:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )		
larynx		< 5>					< 5>				< 5>				< 5>			
	degeneration:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )		
Grade	1 : Slight	2 : Moderate	3 : Marked	4 : Severe														
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
( c )	c : b / a * 100																	

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 ALL ANIMALS (0- 3W)

PAGE : 2

Organ	Findings	500ppm				750ppm			
		No. of Animals on Study				5			
		Grade				5			
		1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}									
nasal cavit		< 5>				< 5>			
	inflammation:respiratory epithelium	1	3	0	0	1	4	0	0
		( 20)	( 60)	( 0)	( 0)	( 20)	( 80)	( 0)	( 0)
	squamous cell metaplasia:respiratory epithelium	1	0	0	0	0	0	0	0
		( 20)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	ulcer:respiratory epithelium	0	1	3	0	0	0	5	0
		( 0)	( 20)	( 60)	( 0)	( 0)	( 0)	(100)	( 0)
	atrophy:olfactory epithelium	2	0	0	0	2	0	0	0
		( 40)	( 0)	( 0)	( 0)	( 40)	( 0)	( 0)	( 0)
	necrosis:respiratory epithelium	1	4	0	0	0	4	1	0
		( 20)	( 80)	( 0)	( 0)	( 0)	( 80)	( 20)	( 0)
nasopharynx		< 5>				< 5>			
	degeneration:epithelium	0	2	0	0	1	1	0	0
		( 0)	( 40)	( 0)	( 0)	( 20)	( 20)	( 0)	( 0)
larynx		< 5>				< 5>			
	degeneration:epithelium	0	1	0	0	1	0	0	0
		( 0)	( 20)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
ALL ANIMALS (0- 3W)

PAGE : 3

		Group Name	Control				28ppm				83ppm				250ppm			
		No. of Animals on Study	5				5				5				5			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
larynx			< 5>				< 5>				< 5>				< 5>			
	inflammation		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )
	squamous cell metaplasia		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	
	necrosis:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
trachea			< 5>				< 5>				< 5>				< 5>			
	degeneration:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
	inflammation		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
	squamous cell metaplasia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
	necrosis:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
{Hematopoietic system}																		
thymus			< 0>				< 0>				< 0>				< 5>			
	atrophy		0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b : Number of animals with lesion  
( c ) c : b / a \* 100

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
ALL ANIMALS (0- 3W)

PAGE : 4

		500ppm				750ppm				
		No. of Animals on Study				5				
Organ	Findings	Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
larynx			< 5>				< 5>			
	inflammation		2	0	0	0	3	0	0	0
			( 40)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)	( 0)
	squamous cell metaplasia		1	2	1	0	2	1	1	0
			( 20)	( 40)	( 20)	( 0)	( 40)	( 20)	( 20)	( 0)
	necrosis:epithelium		1	0	0	0	3	0	0	0
			( 20)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)	( 0)
trachea			< 5>				< 5>			
	degeneration:epithelium		1	1	0	0	2	0	0	0
			( 20)	( 20)	( 0)	( 0)	( 40)	( 0)	( 0)	( 0)
	inflammation		1	0	0	0	2	0	0	0
			( 20)	( 0)	( 0)	( 0)	( 40)	( 0)	( 0)	( 0)
	squamous cell metaplasia		1	0	0	0	1	0	0	0
			( 20)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
	necrosis:epithelium		1	0	0	0	0	1	0	0
			( 20)	( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)
{Hematopoietic system}										
thymus			< 4>				< 5>			
	atrophy		0	0	4	0	0	0	5	0
			( 0)	( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 ALL ANIMALS (0- 3W)

PAGE : 5

		Group Name	Control				28ppm				83ppm				250ppm			
		No. of Animals on Study	5				5				5				5			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ	Findings		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Digestive system}																		
liver			< 5>				< 5>				< 5>				< 5>			
	necrosis:focal		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 0 )
<hr/>																		
{Urinary system}																		
kidney			< 5>				< 5>				< 5>				< 5>			
	scar		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
<hr/>																		
{Special sense organs/appendage}																		
eye			< 5>				< 5>				< 5>				< 5>			
	erosion:cornea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
<hr/>																		
Grade	1 : Slight	2 : Moderate	3 : Marked	4 : Severe														
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
( c )	c : b / a * 100																	

(HPT150)

BAIS4



STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 ALL ANIMALS (0- 3W)

PAGE : 6

Organ	Findings	Group Name		500ppm				750ppm			
		No. of Animals on Study		5				5			
		Grade		1	2	3	4	1	2	3	4
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Digestive system}

liver	necrosis:focal	< 5>				< 5>			
		2	0	0	0	2	0	0	0
		( 40)	( 0)	( 0)	( 0)	( 40)	( 0)	( 0)	( 0)

{Urinary system}

kidney	scar	< 5>				< 5>			
		0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

{Special sense organs/appendage}

eye	erosion:cornea	< 5>				< 5>			
		0	2	1	0	0	1	0	3
		( 0)	( 40)	( 20)	( 0)	( 0)	( 20)	( 0)	( 60)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

(HPT150)

BAIS4

TABLE K2

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : MALE  
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 1

Organ	Findings	Group Name No. of Animals on Study				Control 0				28ppm 0				83ppm 0				250ppm 0			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
nasal cavit		< 0>				< 0>				< 0>				< 0>				< 0>			
	inflammation:respiratory epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	squamous cell metaplasia:respiratory epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	ulcer:respiratory epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	atrophy:olfactory epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	necrosis:respiratory epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
nasopharynx		< 0>				< 0>				< 0>				< 0>				< 0>			
	degeneration:epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
larynx		< 0>				< 0>				< 0>				< 0>				< 0>			
	degeneration:epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 2

		Group Name	500ppm				750ppm			
		No. of Animals on Study	5				4			
Organ	Findings	Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			< 5>				< 4>			
	inflammation:respiratory epithelium		1	3	0	0	1	3	0	0
			( 20)	( 60)	( 0)	( 0)	( 25)	( 75)	( 0)	( 0)
	squamous cell metaplasia:respiratory epithelium		1	0	0	0	0	0	0	0
			( 20)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	ulcer:respiratory epithelium		0	1	3	0	0	0	4	0
			( 0)	( 20)	( 60)	( 0)	( 0)	( 0)	(100)	( 0)
	atrophy:olfactory epithelium		2	0	0	0	2	0	0	0
			( 40)	( 0)	( 0)	( 0)	( 50)	( 0)	( 0)	( 0)
	necrosis:respiratory epithelium		1	4	0	0	0	3	1	0
		( 20)	( 80)	( 0)	( 0)	( 0)	( 75)	( 25)	( 0)	
nasopharynx			< 5>				< 4>			
	degeneration:epithelium		0	2	0	0	1	1	0	0
			( 0)	( 40)	( 0)	( 0)	( 25)	( 25)	( 0)	( 0)
larynx			< 5>				< 4>			
	degeneration:epithelium		0	1	0	0	1	0	0	0
			( 0)	( 20)	( 0)	( 0)	( 25)	( 0)	( 0)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study Grade	Control 0				28ppm 0				83ppm 0				250ppm 0			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
larynx	inflammation		< 0>				< 0>				< 0>				< 0>			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	squamous cell metaplasia		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	necrosis:epithelium		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
trachea	degeneration:epithelium		< 0>				< 0>				< 0>				< 0>			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	inflammation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	squamous cell metaplasia		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
	necrosis:epithelium		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )
{Hematopoietic system}																		
thymus	atrophy		< 0>				< 0>				< 0>				< 0>			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 4

		500ppm				750ppm			
		No. of Animals on Study				4			
		Grade				4			
Organ	Findings	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}									
larynx		< 5>				< 4>			
	inflammation	2	0	0	0	3	0	0	0
		( 40)	( 0)	( 0)	( 0)	( 75)	( 0)	( 0)	( 0)
	squamous cell metaplasia	1	2	1	0	2	0	1	0
		( 20)	( 40)	( 20)	( 0)	( 50)	( 0)	( 25)	( 0)
	necrosis:epithelium	1	0	0	0	3	0	0	0
		( 20)	( 0)	( 0)	( 0)	( 75)	( 0)	( 0)	( 0)
trachea		< 5>				< 4>			
	degeneration:epithelium	1	1	0	0	2	0	0	0
		( 20)	( 20)	( 0)	( 0)	( 50)	( 0)	( 0)	( 0)
	inflammation	1	0	0	0	2	0	0	0
		( 20)	( 0)	( 0)	( 0)	( 50)	( 0)	( 0)	( 0)
	squamous cell metaplasia	1	0	0	0	1	0	0	0
		( 20)	( 0)	( 0)	( 0)	( 25)	( 0)	( 0)	( 0)
	necrosis:epithelium	1	0	0	0	0	1	0	0
		( 20)	( 0)	( 0)	( 0)	( 0)	( 25)	( 0)	( 0)
{Hematopoietic system}									
thymus		< 4>				< 4>			
	atrophy	0	0	4	0	0	0	4	0
		( 0)	( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study Grade	Control 0				28ppm 0				83ppm 0				250ppm 0			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Digestive system}

liver	necrosis:focal	< 0>				< 0>				< 0>				< 0>			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )

{Special sense organs/appendage}

eye	erosion:cornea	< 0>				< 0>				< 0>				< 0>			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

(HPT150)

BAIS4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 6

		500ppm				750ppm			
		5				4			
		No. of Animals on Study							
		Grade							
Organ_____	Findings_____	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Digestive system}

liver	necrosis:focal	< 5>				< 4>			
		2	0	0	0	2	0	0	0
		( 40)	( 0)	( 0)	( 0)	( 50)	( 0)	( 0)	( 0)

{Special sense organs/appendage}

eye	erosion:cornea	< 5>				< 4>			
		0	2	1	0	0	1	0	3
		( 0)	( 40)	( 20)	( 0)	( 0)	( 25)	( 0)	( 75)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100

(HPT150)

BAIS4



TABLE K3

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : MALE  
SACRIFICED ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
SACRIFICED ANIMALS ( 3W)

PAGE : 1

Organ	Findings	Group Name No. of Animals on Study				Control				28ppm				83ppm				250ppm			
		Grade				5				5				5				5			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
nasal cavit		< 5>				< 5>				< 5>				< 5>				< 5>			
	inflammation:respiratory epithelium	0	0	0	0	2	0	0	0	5	0	0	0	1	4	0	0	( 20)	( 80)	( 0)	( 0)
		( 0)	( 0)	( 0)	( 0)	( 40)	( 0)	( 0)	( 0)	( 100)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 20)	( 80)	( 0)	( 0)
	squamous cell metaplasia:respiratory epithelium	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	( 20)	( 0)	( 0)	( 0)
		( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
	ulcer:respiratory epithelium	0	0	0	0	1	0	0	0	4	0	0	0	0	0	5	0	( 0)	( 0)	( 100)	( 0)
		( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 80)	( 0)	( 0)	( 0)	( 0)	( 0)	( 100)	( 0)	( 0)	( 0)	( 100)	( 0)
	necrosis:respiratory epithelium	0	0	0	0	1	0	0	0	4	0	0	0	2	3	0	0	( 40)	( 60)	( 0)	( 0)
		( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 80)	( 0)	( 0)	( 0)	( 40)	( 60)	( 0)	( 0)	( 40)	( 60)	( 0)	( 0)
larynx		< 5>				< 5>				< 5>				< 5>				< 5>			
	inflammation	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	( 20)	( 0)	( 0)	( 0)
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
	squamous cell metaplasia	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	( 20)	( 0)	( 0)	( 0)
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
{Hematopoietic system}																					
thymus		< 0>				< 0>				< 0>				< 5>				< 5>			
	atrophy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	( 0)	( 0)	( 100)	( 0)
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 100)	( 0)	( 0)	( 0)	( 100)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 SACRIFICED ANIMALS ( 3W)

PAGE : 2

		Group Name	500ppm				750ppm			
		No. of Animals on Study	0				1			
Organ	Findings	Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>										
{Respiratory system}										
nasal cavit			< 0>				< 1>			
	inflammation:respiratory epithelium		-	-	-	-	0	1	0	0
			( - )	( - )	( - )	( - )	( 0 )	(100)	( 0 )	( 0 )
	squamous cell metaplasia:respiratory opithelium		-	-	-	-	0	0	0	0
			( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )
	ulcer:respiratory epithelium		-	-	-	-	0	0	1	0
			( - )	( - )	( - )	( - )	( 0 )	( 0 )	(100)	( 0 )
	necrosis:respiratory epithelium		-	-	-	-	0	1	0	0
			( - )	( - )	( - )	( - )	( 0 )	(100)	( 0 )	( 0 )
larynx			< 0>				< 1>			
	inflammation		-	-	-	-	0	0	0	0
			( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )
	squamous cell metaplasia		-	-	-	-	0	1	0	0
			( - )	( - )	( - )	( - )	( 0 )	(100)	( 0 )	( 0 )
<hr/>										
{Hematopoietic system}										
thymus			< 0>				< 1>			
	atrophy		-	-	-	-	0	0	1	0
			( - )	( - )	( - )	( - )	( 0 )	( 0 )	(100)	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 SACRIFICED ANIMALS ( 3W)

PAGE : 3

		Group Name	Control				28ppm				83ppm				250ppm			
		No. of Animals on Study	5				5				5				5			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			< 5>				< 5>				< 5>				< 5>			
	necrosis:focal		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
{Urinary system}																		
kidney			< 5>				< 5>				< 5>				< 5>			
	scar		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
Grade	1 : Slight      2 : Moderate      3 : Marked      4 : Severe																	
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
( c )	c : b / a * 100																	

(HPT150)

BAIS4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
SACRIFICED ANIMALS ( 3W)

PAGE : 4

Organ	Findings	Group Name No. of Animals on Study Grade	500ppm				750ppm			
			0				1			
			1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Digestive system}

liver	necrosis:focal	< 0>				< 1>			
		-	-	-	-	0	0	0	0
		( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )

{Urinary system}

kidney	scar	< 0>				< 1>			
		-	-	-	-	0	0	0	0
		( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100

(HPT150)

BAIS4

TABLE K4

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : FEMALE  
ALL ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
ALL ANIMALS (0- 3W)

PAGE : 7

Organ	Findings	Group Name	Control				28ppm				83ppm				250ppm			
		No. of Animals on Study	5				5				5				5			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			< 5>				< 5>				< 5>				< 5>			
	inflammation:respiratory epithelium		0	0	0	0	2	0	0	0	4	0	0	0	0	5	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )
	squamous cell metaplasia:respiratory epithelium		0	0	0	0	1	0	0	0	3	0	0	0	1	3	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 60 )	( 0 )	( 0 )	( 0 )	( 20 )	( 60 )	( 0 )	( 0 )
	ulcer:respiratory epithelium		0	0	0	0	0	0	0	0	2	0	0	0	0	0	5	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )
	necrosis:respiratory epithelium		0	0	0	0	0	0	0	0	4	0	0	0	0	5	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )
larynx			< 5>				< 5>				< 5>				< 5>			
	degeneration:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammation		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	squamous cell metaplasia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
Grade	1 : Slight      2 : Moderate      3 : Marked      4 : Severe																	
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
( c )	c : b / a * 100																	

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 ALL ANIMALS (0- 3W)

PAGE : 8

		500ppm				750ppm			
		No. of Animals on Study				5			
Organ_____	Findings_____	Grade							
		1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>									
{Respiratory system}									
nasal cavit		< 5>				< 5>			
	inflammation:respiratory epithelium	2	3	0	0	0	4	1	0
		( 40)	( 60)	( 0)	( 0)	( 0)	( 80)	( 20)	( 0)
	squamous cell metaplasia:respiratory epithelium	1	1	0	0	1	0	0	0
		( 20)	( 20)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
	ulcer:respiratory epithelium	0	0	5	0	0	0	5	0
		( 0)	( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)
	atrophy:olfactory epithelium	2	0	0	0	4	0	0	0
		( 40)	( 0)	( 0)	( 0)	( 80)	( 0)	( 0)	( 0)
	necrosis:respiratory epithelium	0	2	3	0	0	3	2	0
		( 0)	( 40)	( 60)	( 0)	( 0)	( 60)	( 40)	( 0)
larynx		< 5>				< 5>			
	degeneration:epithelium	1	0	0	0	0	0	0	0
		( 20)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	inflammation	2	0	0	0	4	1	0	0
		( 40)	( 0)	( 0)	( 0)	( 80)	( 20)	( 0)	( 0)
	squamous cell metaplasia	0	4	0	0	0	3	0	0
		( 0)	( 80)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100



STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 ALL ANIMALS (0- 3W)

PAGE : 9

Organ	Findings	Group Name No. of Animals on Study Grade	Control 5				28ppm 5				83ppm 5				250ppm 5			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
larynx	necrosis:epithelium		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
trachea	degeneration:epithelium		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammation		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	squamous cell metaplasia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	necrosis:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Hematopoietic system}																		
thymus	atrophy		< 0>				< 0>				< 0>				< 4>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 ALL ANIMALS (0- 3W)

PAGE : 10

		Group Name	500ppm				750ppm			
		No. of Animals on Study	5				5			
Organ	Findings	Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
larynx			< 5>				< 5>			
	necrosis:epithelium		0	0	0	0	2	1	0	0
			( 0)	( 0)	( 0)	( 0)	( 40)	( 20)	( 0)	( 0)
trachea			< 5>				< 5>			
	degeneration:epithelium		1	0	0	0	0	0	0	0
			( 20)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	inflammation		1	0	0	0	3	0	0	0
			( 20)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)	( 0)
	squamous cell metaplasia		0	0	0	0	1	1	0	0
			( 0)	( 0)	( 0)	( 0)	( 20)	( 20)	( 0)	( 0)
	necrosis:epithelium		1	0	0	0	1	1	0	0
			( 20)	( 0)	( 0)	( 0)	( 20)	( 20)	( 0)	( 0)
{Hematopoietic system}										
thymus			< 5>				< 4>			
	atrophy		0	0	5	0	0	0	4	0
			( 0)	( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 ALL ANIMALS (0- 3W)

PAGE : 11

Organ	Findings	Group Name No. of Animals on Study Grade	Control				28ppm				83ppm				250ppm			
			5				5				5				5			
			1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)
{Digestive system}																		
liver			< 5>				< 5>				< 5>				< 5>			
	necrosis:focal		0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	inflammatory cell nest		0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 20 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
{Special sense organs/appondage}																		
eye			< 5>				< 5>				< 5>				< 5>			
	erosion:cornea		0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 20 )	1 ( 20 )	0 ( 0 )
Grade	1 : Slight	2 : Moderate	3 : Marked	4 : Severe														
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
( c )	c : b / a * 100																	

(HPT150)

BAIS4

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
ALL ANIMALS (0- 3W)

PAGE : 12

		500ppm				750ppm			
		No. of Animals on Study				5			
		Grade				5			
Organ_____	Findings_____	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Digestive system}

liver	necrosis:focal	< 5>				< 5>			
		1	0	0	0	0	0	0	0
		( 20)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	inflammatory cell nest	< 5>				< 5>			
		0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

{Special sense organs/appendage}

eye	erosion:cornea	< 5>				< 5>			
		0	0	1	0	0	1	3	0
		( 0)	( 0)	( 20)	( 0)	( 0)	( 20)	( 60)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100

(HPT150)

BAIS4

TABLE K5

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : FEMALE  
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study Grade	Control 0				28ppm 0				83ppm 0				250ppm 2			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			< 0>				< 0>				< 0>				< 2>			
	inflammation:respiratory epithelium		-	-	-	-	-	-	-	-	-	-	-	-	0	2	0	0
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 100 )	( 0 )	( 0 )
	squamous cell metaplasia:respiratory epithelium		-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	0
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 50 )	( 0 )	( 0 )
	ulcer:respiratory epithelium		-	-	-	-	-	-	-	-	-	-	-	0	0	2	0	
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 100 )	( 0 )	
	atrophy:olfactory epithelium		-	-	-	-	-	-	-	-	-	-	-	2	0	0	0	
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 100 )	( 0 )	( 0 )	( 0 )	
	necrosis:respiratory epithelium		-	-	-	-	-	-	-	-	-	-	-	0	2	0	0	
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 100 )	( 0 )	( 0 )	
larynx			< 0>				< 0>				< 0>				< 2>			
	degeneration:epithelium		-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )	
	inflammation		-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )	
	squamous cell metaplasia		-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )	

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 8

Organ	Findings	500ppm				750ppm			
		3				5			
		1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}									
nasal cavit		< 3>				< 5>			
	inflammation:respiratory epithelium	1	2	0	0	0	4	1	0
		( 33)	( 67)	( 0)	( 0)	( 0)	( 80)	( 20)	( 0)
	squamous cell metaplasia:respiratory epithelium	0	0	0	0	1	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
	ulcer:respiratory epithelium	0	0	3	0	0	0	5	0
		( 0)	( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)
	atrophy:olfactory epithelium	0	0	0	0	4	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 80)	( 0)	( 0)	( 0)
	necrosis:respiratory epithelium	0	1	2	0	0	3	2	0
		( 0)	( 33)	( 67)	( 0)	( 0)	( 60)	( 40)	( 0)
larynx		< 3>				< 5>			
	degeneration:epithelium	1	0	0	0	0	0	0	0
		( 33)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	inflammation	1	0	0	0	4	1	0	0
		( 33)	( 0)	( 0)	( 0)	( 80)	( 20)	( 0)	( 0)
	squamous cell metaplasia	0	2	0	0	0	3	0	0
		( 0)	( 67)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 9

Organ	Findings	Group Name	Control				28ppm				83ppm				250ppm			
		No. of Animals on Study	0				0				0				2			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
larynx	necrosis:epithelium		< 0>				< 0>				< 0>				< 2>			
		-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )	
trachea	degeneration:epithelium		< 0>				< 0>				< 0>				< 2>			
		-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
			( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammation		-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
				( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )
	squamous cell metaplasia		-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
				( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )	
	necrosis:epithelium		-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	
				( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )	
{Hematopoietic system}																		
thymus	atrophy		< 0>				< 0>				< 0>				< 2>			
		-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	0	
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 100 )	( 0 )	

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100



STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 10

Organ	Findings	Group Name No. of Animals on Study Grade	500ppm				750ppm			
			3				5			
			1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Respiratory system}

larynx	necrosis:epithelium	< 3>				< 5>			
		0	0	0	0	2	1	0	0
		( 0)	( 0)	( 0)	( 0)	( 40)	( 20)	( 0)	( 0)
trachea	degeneration:epithelium	< 3>				< 5>			
		1	0	0	0	0	0	0	0
		( 33)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	inflammation	0	0	0	0	3	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)	( 0)
	squamous cell metaplasia	0	0	0	0	1	1	0	0
		( 0)	( 0)	( 0)	( 0)	( 20)	( 20)	( 0)	( 0)
	necrosis:epithelium	0	0	0	0	1	1	0	0
		( 0)	( 0)	( 0)	( 0)	( 20)	( 20)	( 0)	( 0)

{Hematopoietic system}

thymus	atrophy	< 3>				< 4>			
		0	0	3	0	0	0	4	0
		( 0)	( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 11

Organ	Findings	Group Name No. of Animals on Study Grade	Control				28ppm				83ppm				250ppm			
			0				0				0				2			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Digestive system}

liver	necrosis:focal	< 0>				< 0>				< 0>				< 2>			
		-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 0 )	( 0 )	( 0 )

{Special sense organs/appendage}

eye	erosion:cornea	< 0>				< 0>				< 0>				< 2>			
		-	-	-	-	-	-	-	-	-	-	-	-	0	1	1	0
		( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( - )	( 0 )	( 50 )	( 50 )	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

(HPT150)

BAIS4

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0- 3W)

PAGE : 12

Organ	Findings	500ppm				750ppm			
		3				5			
		1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Digestive system}

liver	necrosis:focal	< 3>				< 5>			
		1	0	0	0	0	0	0	0
		( 33)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

{Special sense organs/appendage}

eye	erosion:cornea	< 3>				< 5>			
		0	0	1	0	0	1	3	0
		( 0)	( 0)	( 33)	( 0)	( 0)	( 20)	( 60)	( 0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

(HPT150)

BAIS4

TABLE K6

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : FEMALE  
SACRIFICED ANIMALS

STUDY NO. : 0682  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
SACRIFICED ANIMALS ( 3W)

PAGE : 5

Organ	Findings	Group Name	Control				28ppm				83ppm				250ppm			
		No. of Animals on Study	5				5				5				3			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			< 5>				< 5>				< 5>				< 3>			
	inflammation:respiratory epithelium		0	0	0	0	2	0	0	0	4	0	0	0	0	3	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )
	squamous cell metaplasia:respiratory epithelium		0	0	0	0	1	0	0	0	3	0	0	0	1	2	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 60 )	( 0 )	( 0 )	( 0 )	( 33 )	( 67 )	( 0 )	( 0 )
	ulcer:respiratory epithelium		0	0	0	0	0	0	0	0	2	0	0	0	0	0	3	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 67 )	( 0 )	( 0 )	( 0 )
	necrosis:respiratory epithelium		0	0	0	0	0	0	0	0	4	0	0	0	0	3	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )
larynx			< 5>				< 5>				< 5>				< 3>			
	inflammation		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	squamous cell metaplasia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
trachea			< 5>				< 5>				< 5>				< 3>			
	inflammation		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 SACRIFICED ANIMALS ( 3W)

PAGE : 6

		Group Name	500ppm				750ppm			
		No. of Animals on Study	2				0			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>										
{Respiratory system}										
nasal cavit			< 2>				< 0>			
	inflammation:respiratory epithelium		1	1	0	0	-	-	-	-
			( 50)	( 50)	( 0)	( 0)	( -)	( -)	( -)	( -)
	squamous cell metaplasia:respiratory opithelium		1	1	0	0	-	-	-	-
			( 50)	( 50)	( 0)	( 0)	( -)	( -)	( -)	( -)
	ulcer:respiratory epithelium		0	0	2	0	-	-	-	-
			( 0)	( 0)	(100)	( 0)	( -)	( -)	( -)	( -)
	atrophy:olfactory epithelium		2	0	0	0	-	-	-	-
			(100)	( 0)	( 0)	( 0)	( -)	( -)	( -)	( -)
	necrosis:respiratory epithelium		0	1	1	0	-	-	-	-
			( 0)	( 50)	( 50)	( 0)	( -)	( -)	( -)	( -)
larynx			< 2>				< 0>			
	inflammation		1	0	0	0	-	-	-	-
			( 50)	( 0)	( 0)	( 0)	( -)	( -)	( -)	( -)
	squamous cell metaplasia		0	2	0	0	-	-	-	-
			( 0)	(100)	( 0)	( 0)	( -)	( -)	( -)	( -)
trachea			< 2>				< 0>			
	inflammation		1	0	0	0	-	-	-	-
			( 50)	( 0)	( 0)	( 0)	( -)	( -)	( -)	( -)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 SACRIFICED ANIMALS ( 3W)

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study				Control				28ppm				83ppm				250ppm			
		Grade				5				5				5				3			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
trachea	necrosis:epithelium	< 5>				< 5>				< 5>				< 3>							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Hematopoietic system}																					
thymus	atrophy	< 0>				< 0>				< 0>				< 2>							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0			
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )				
{Digestive system}																					
liver	inflammatory cell nest	< 5>				< 5>				< 5>				< 3>							
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

(HPT150)

BAIS4

STUDY NO. : 0682  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)  
 SACRIFICED ANIMALS ( 3W)

PAGE : 8

Organ	Findings	500ppm				750ppm			
		2				0			
		1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}									
trachea	necrosis:epithelium	< 2>				< 0>			
		1	0	0	0	-	-	-	-
		( 50)	( 0)	( 0)	( 0)	( -)	( -)	( -)	( -)
{Hematopoietic system}									
thymus	atrophy	< 2>				< 0>			
		0	0	2	0	-	-	-	-
		( 0)	( 0)	(100)	( 0)	( -)	( -)	( -)	( -)
{Digestive system}									
liver	inflammatory cell nest	< 2>				< 0>			
		0	0	0	0	-	-	-	-
		( 0)	( 0)	( 0)	( 0)	( -)	( -)	( -)	( -)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b b : Number of animals with lesion  
 ( c ) c : b / a \* 100

(HPT150)

BAIS4